

**AMENDMENTS TO THE CLAIMS**

1. - 16 (Canceled)

17. (New) An isolated nucleic acid, wherein the sequence of the nucleic acid is selected from the group consisting of:

- (a) SEQ ID NO: 15215;
- (b) a DNA encoding the nucleic acid of (a), wherein the DNA is identical in length to (a); and
- (c) the complement of (a) or (b), where in the complement is identical in length to (a).

18. (New) An isolated nucleic acid, wherein the sequence of the nucleic acid is selected from the group consisting of:

- (a) SEQ ID NO: 1600;
- (b) a DNA encoding the nucleic acid of (a), wherein the DNA is identical in length to (a); and
- (c) the complement of (a) or (b), where in the complement is identical in length to (a).

19. (New) A vector comprising the nucleic acid of claim 17.

20. (New) A vector comprising the nucleic acid of claim 18.

21. (New) A probe comprising the nucleic acid of claim 17.

22. (New) A probe comprising the nucleic acid of claim 18.